



## Xsquare Suite 2.03

### Release Note

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## LIST OF DOCUMENTS

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### Release notes

- **Xsquare\_ReleaseNote\_v2.03.25.pdf** : Release note of Xsquare Suite 2.03
- **XTAccess\_Codecs\_2.03.pdf**: List of codecs & wrappers compatible with XTAccess for wrapping, decoding and encoding

### UserMan

- **Xsquare\_InstallMan\_v2.03.pdf** : document which explains how install Xsquare
- **Xsquare\_Userman\_v2.03.pdf**: user manual for Xsquare. Actually this the PDF format of the Xsquare 2.03 online help available directly in the Xsquare interface

### TechDoc

- **How to migrate from XTAccess to Xsquare.pdf**: document which explains how to migrate from XTAccess to Xsquare. This document is only available on request. Please contact support@evs.com for more information.
- **Xsquare Automatic redundancy system.pdf**: document which explains how to create a redundancy system with Xsquare. This document is only available on request. Please contact support@evs.com for more information.
- **How to create an Adobe Target.docx**: document which explains how to create an adobe target with IPD.

### API

- **Xsquare API documentation**: this document is only available on request. Please contact [commonblocks@evs.com](mailto:commonblocks@evs.com) for more information.

There is no XTAccess release note. The XTAccess release note is included inside this release note.

## EVS COMPLIANCE MATRIX

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- Multicam 12.02 and Multicam 11.02
- IPD 6.41

Please contact [commonblocks@evs.com](mailto:commonblocks@evs.com) for more information.

## SOFTWARE INSTALLATION

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See Installation Manual for details of the installation procedure.

## XSQUARE SUITE

Xsquare is distributed within a complete package called "Xsquare Suite". Xsquare Suite consists of Xsquare itself, plus a family of EVS applications, as well as prerequisite Third-parties software.

We strongly recommend using this package of software and keeping the version united with the package.

| EVS software included in the Xsquare Suite | Version                                     |
|--|---|
| Notification Center                        | 2 .1.11                                     |
| Authentication Service                     | 2.3.3 (new version since the 2.2 release)   |
| Xsquare                                    | 2.3.25 (new version since the 2.2 release)  |
| Xsecure Manager                            | 1.1.5                                       |
| Common SNMP Agent                          | 101.0.12                                    |
| XTAccess                                   | 2.03.13 (new version since the 2.2 release) |
| XTGateway                                  | 2.5.5 (new version since the 2.2 release)   |
| AssociationTool                            | 2.3.1 (new version since the 2.2 release)   |
| Maintenance Plans                          | 1.6.0                                       |

| Other software included in the Xsquare suite | Version    |
|--|------------|
| Bonjour Service                              | 2.0.2      |
| .NET framework 4.0                           | 4.0.30319  |
| SQL Server Express                           | 9.0.4035   |
| Silverlight                                  | 5.1.20513  |
| VC Redist                                    | 10.0.40219 |

## OPERATING SYSTEM COMPLIANCE

Xsquare is compatible with:

- Windows XP (not recommended. This OS will not be supported by the future Xsquare suite 3.x anymore)
- Windows 2003 Server 32 bits (not recommended. This OS will not be supported by the future Xsquare suite 3.x anymore)
- Windows 2003 Server 64 bits (not recommended and this OS will not be supported by the future Xsquare suite 3.x anymore)
- Windows 7 32 bits
- **Windows 7 64 bits (default OS)**
- Windows Server 2008 R2 SP1 64 bits

Windows XP and Server 2003 will not be supported by the future Xsquare suite 3.x anymore.

For the 64 bit OS, Xsquare will run as a 32 bits application.

The Framework .NET 2.0 is mandatory to install Xsquare. The framework .NET 2.0 is not included in the Xsquare installer suite.

## WINDOWS FIREWALL

The installer will open these IP Ports on the Windows firewall

On Xsquare device (opened by Xsquare setup):

- 9001 : NC observer
- 9002 : JobService
- 9003 : ConfigService
- 9004 : ProxyService
- +
- 8998 : Internal Xsquare ScanXML service
- 8999 : Internal Xsquare ScanFolder service
- +
- 50000 : TCP for the LinX connection management
- 50100 to 50108 : UDP for the LinX exchanges of commands

On XTAccess device:

- 9000 : For XTAccess (opened by the XTAccess setup)
- 9005 : XTA config (opened by the XTAccess setup)
- 9010 : Authentication service (opened by the Xsquare setup)
- 48888 : NotificationCenter (opened by the NotificationCenter setup)

Note: It is not possible to modify those port numbers

## BROADCAST ROUTING

Your router must also support packet broadcast and multicast routing on these ports

- 5353: for the Apple Bonjour Protocol
- 50000 to 50002: for the LinX Protocol
- 50100 to 50108: for the LinX Protocol

## HARDWARE: WHERE CAN I INSTALL XSQUARE?

The minimum system requirement for XTAccess and Xsquare is:

- Workstation or server
- CPU Intel i5
- 2GB RAM (4GB Ram is recommended)
- GigE board
- VGA 1024x768
- At least 2GB free on the hard disk
- SQL 2005 or 2008

The hardware requirement (CPU and Memory) is directly linked to the number of XTAccess devices managed by Xsquare and the number of opened monitoring windows. Please contact EVS support to design the hardware to be used for Xsquare based on your workflow.

### XSQUARE SUITE STANDALONE

- XTAccess and Xsquare can run on the same computer, but if XTAccess performs transcoding jobs, Xsquare may be slower than expected. If Xsquare is used to manage more than 4 XTAccess devices (Orchestrator), we strongly recommend using a specific computer to run Xsquare (The EVS App Server)
- If you want to use Xsquare with redundancy system for the DB: you will have to use the EVS DB 3U or 2U hardware (the DB can be shared with IPD see below).

### XSQUARE SUITE ON IPDIRECTOR HARDWARE OR IPDIRECTOR DB

- Xsquare/XTAccess and IPD 6.0 can be installed on the same computer with the IPDirector. In this case: we recommend using XTAccess to process a maximum of 2 jobs without transcoding at the same time, possibly with thumbnails.
- As Xsquare uses the same redundancy mechanism than IPD: It is possible to install Xsquare on the same DB than the IPD DB. But please first contact the EVS Support to check if the DB will be powerful enough.
- If Xsquare has to process more than 1 job every 2 seconds : we strongly recommend using the new EVS DB hardware with more than 4 GB of memory (DBS3-2D)

### INTEL NETWORK BOARD DRIVER

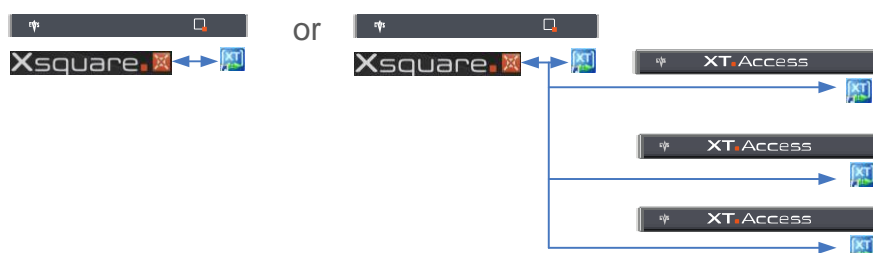
If you are using a network board with the Intel chipset 82574 on your XTAccess/Xsquare Hardware (this is the default network board chipset on EVS XTAccess hardware): we recommend upgrading the Intel driver to the version 18.1 or above.

## LICENSES

### XSQUARE

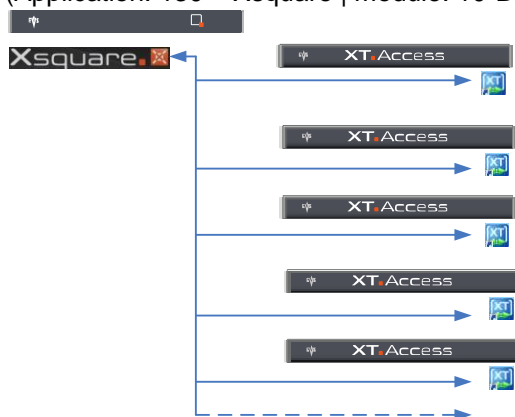
#### NO XSECURE LICENSE

If you use Xsquare in standalone or to manage maximum 4 XTAccess devices, you will not need any Xsecure license.



#### XSECURE LICENSE

If you use Xsquare to manage **between 5 and 19 XTAccess devices**, you will need one Xsecure license (Application: 130 – Xsquare | module: 10-Base Package).



If you use Xsquare to manage **more than 19 XTAccess devices**, you will need one Xsecure license (Application: 130 – Xsquare | module: 20-Unlimited Engines).

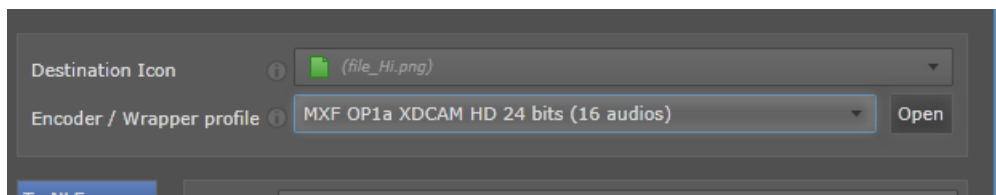
### XTACCESS

For XTAccess: Xsecure license is necessary if you want to transcode your source files or clips. Xsecure license is also necessary for the rendering of EDL (playlist or timeline)

## NEW FEATURES

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- Support of M11.02 and M12.02. Xsquare 2.3 has been completely validated with Multicam 11.02 and 12.02
- New encoder profile “MXF OP1a XDCAM HD 24 bits (16 audios)”: this profile allows you to create XDCAM file with 16 audios.



## BUGS FIXED

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- XSQ-410 : The role name is limited to 25 caracteres
- XSQ-402 : Xsquare Suite install Silverlight 64bits in loop on Windows Server 2003 64 bits
- XSQ-379: Memory leak when reloading jobs from database to cache
- XSQ-451: Jobs stay scheduled in Xsquare despite of available job processors



## GENERAL XSQUARE LIMITATIONS

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### ASSOCIATION TOOL

- To be able to associate XTAccess to Xsquare: they must be on the same VLAN. If Xsquare and XTAccess are on different VLAN: the Broadcast packets must be routed by the switch between the VLANs
- XTAccess and Xsquare hostname must follow the DNS naming convention and contain only the ASCII letters 'a' through 'z' (in a case-insensitive manner), the digits '0' through '9', and the hyphen ('-')
- The Apple Bonjour protocol (used to discover the XTAccess and Xsquare) must be started before Xsquare and XTAccess

### XSQUARE SERVICE MONITORING TOOL

- On Windows 7 64 bits, to be able to use the Xsquare Monitoring tool and restart services: it could be necessary to modify these parameters  
Run -> gpedit.msc -> Computer Configuration -> Windows settings -> Security settings -> Local Policies -> Security Options
  - User Account Control : Behavior of the elevation prompt for administrators in Admin Approval Mode : Prompt for credentials -> Elevate without prompting
  - User Account Control : Run all administrators in Admin Approval Mode : Enable -> Disable
  - User Account Control : Switch to the secure desktop when prompting for elevation: Enable -> Disable

### XSQUARE JOBS AND TEMPLATES

- The multi-destinations are available for all the jobs except for the Avid Transfer Engine jobs. It is impossible to create jobs to Avid Transfer Engine with more than one destination ;
- It is impossible to create more than one NLE referencing per destination ;
- It is possible to reference up to two destinations to Xedio ;
- The EVS Server MTPC network board must be connected to the Network to use the auto codec detection mechanism ;
- To use the auto codec detection : it is necessary to have XTAccess Xsecure licenses ;
- The auto codec detection will be run every 30 seconds on the network ;
- The compulsory and keep partial parameters are not available for the EDL+Clips job. The EDL+Clips job will always use compulsory = true and keep partial = false. So if the EDL+Clip job is canceled or fails : XTAccess will delete all the files created ;
- The retry of the job is done with the information of the original job. If the user changes the template used in the job: the new template will not be used in the retry job except if Xsquare has rebooted between the original job and the retry.

## XSQUARE SCAN XML

- The Scan XML source must be a shared folder on the network (UNC path) and the Scan XML service must have Read/Write access on it ;
- No new features will be added in the XMLJobs v1 protocol.  
The new features will only be available via Jobs v2 and/or templates.
- Previously, XTAccess allowed to use the same XML scan folder setting (XML unit) for the job to XT and to Files. Now, with Xsquare, users will have to create two watch folders with two different templates or define no Xsquare template. So the default XML unit of IPD must be correctly configured in Xsquare
- Xsquare will not support anymore the old IPDirectorClipInfos tag in the EVS Metadata.
- It is impossible to access different UNC path from the same computer with different Windows User. The Xsquare computer can access another computer with only one user.
- Due to the total new implementation of the ScanXML service, there might be slight differences of behaviors between Xsquare and XTAccess ScanXML. For example, if a required element is missing in a Job v1 (or its value is incorrect), XTAccess may use default value, while Xsquare may reject the job. If you plan to switch from XTAccess ScanXML to Xsquare ScanXML, we strongly recommend testing your XML Job files to ensure the differences of behaviors are not blocking.
- The tag <Job\_Src\_Field\_Nb> is not supported anymore.
- The <Job\_Src\_Field\_TC> value must represent a timecode less than 24 hours. If it's not the case, please use timecodes with dates (Job\_Src\_Field\_DTC)
- XML jobs of grab are rejected if a template is associated to the scanXml. Grab XML job must be used without template in Xsquare.
- It is recommended not to exceed 40 xml units in Xsquare.

We know that since Xsquare is used in conjunction with IPDirector, there is a tendency to define one xml unit per IPDirector target instead of pointing several targets to the same xml unit. While this might seem like good practice, a high number of xml units will put a lot of stress on both Xsquare and IPDirector. If you really need to define more than 40 xml units, please contact [commonblocks@evs.com](mailto:commonblocks@evs.com)

## XSQUARE SCANFOLDER

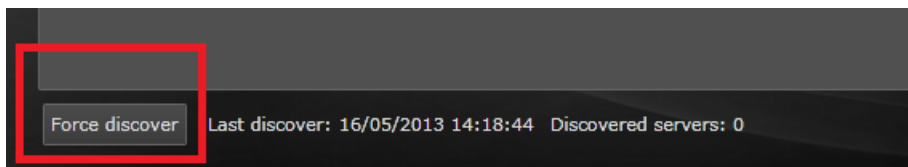
- The scan folder source must be a shared folder on the network (UNC Path) and the Scan Folder service must have Read/Write access on it.
- If you want to be sure that the local XTAccess of the source watch folder will execute the job, you will have to create a Removable cluster
- It is impossible to access different UNC path from the same computer with different Windows User. The Xsquare computer can access another computer with only one user.
- The move job if the scanfolder job is failed will not work if the source file is still growing

## XTACCESS CONFIGURATION THOUGH XSQUARE

- XTCGateway will be configured by default to be able to do 4 operations of playlist rendering at the same time. It will be impossible to change this configuration from Xsquare. The modification of the XTCGateway configuration must be done manually on each XTCGateway in the configuration window.
- The user will still have to install and configure manually the EVS AVID Tools for the integration with the Avid Transfer Manager. Xsquare will not manage the AVID TMclient.ini file.
- The following parameters will not be available in the Xsquare configuration interface. So, if necessary, these parameters will have to be configured manually on each XTAccess (registry keys).
  - Max Log size In MB (Default 2)
  - IP Retry (Default 12)
  - IP Retry timeout (Default 5000)
  - Enable Retry (Default 1)
  - MinFieldsToWriteBeforeRefInCEDB (Default 1000)

## GENERAL LIMITATION AND INSTALLATION

- Xsquare could take up to 5 minutes to detect a new EVS server on the network. So we recommend forcing manually Xsquare to discover the EVS servers after each modification (example: EVS Server reboot) on the setup.



- With SQL Express 2005: The Xsquare DB is limited to 4GB. It is not the case on SQL Server;
- The Xsquare installation could take time (20 minutes) and ask for reboot if SQL express and the .NET frameworks are not already installed on the computer.
- The SQL Express installer could ask to close the Xsquare suite setup. In this case you can ignore the error and continue the installation
- If you create several XTAccess with the same ghost: it is necessary to remove this registry key (HKEY\_CURRENT\_USER\Software\EVS Broadcast Equipment\XTAccess\XTAccessUUID) in the original ghost. This Key is created automatically at the first boot of XTAccess and must be unique.
- The web interface is compatible with all Internet browsers compatibles with Silverlight except Google chrome on Apple OS
- It is not possible to downgrade Xsquare. The upgrade is supported but not the downgrade. If you want to downgrade: you will have to delete completely the Xsquare DB.

## SQL SERVER

When SQL Server is already installed before Xsquare Suite install, it is possible that it is not well configured (especially when it comes from Visual Studio in dev machines).  
Some steps may or may not be required.

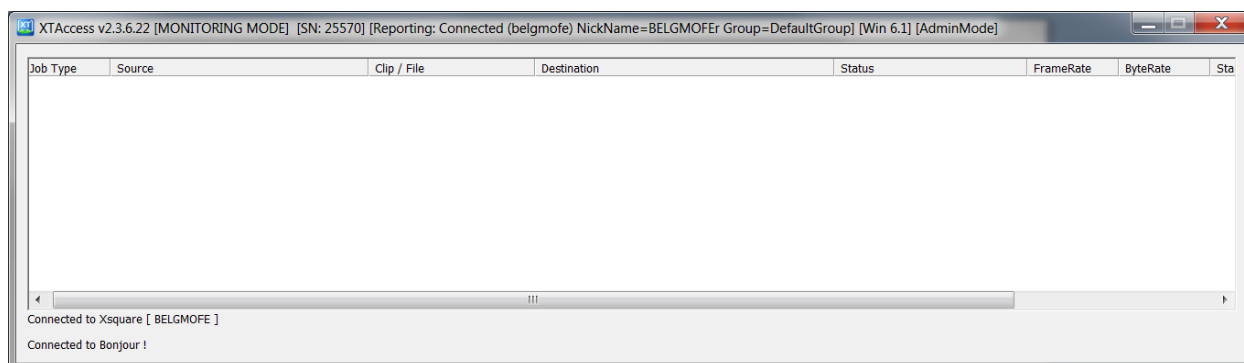
- **Make sure the Windows service is well configured:** In services.msc, the service "SQL Server (SQLEXPRESS)" or "SQL Server (MSSQLSERVER)" or other instance name should have Startup Type "Automatic" and be Started.
- **Sometimes SQL Server Management studio is not installed.** This is not required but it is very useful for debug/management. TODO : add links to SQL Server Management studio installer (32/64 and 2005/2008R2).
- **SQL Server is not listening on network interfaces**
  - Open Start Menu\Programs\Microsoft SQL Server 2008 R2\SQL Server Configuration Manager
  - Open SQL Server Network Configuration -> Protocols for SQLEXPRESS (or other instance name) -> TCP/IP
  - Make sure Enabled has Yes, Listen All has Yes.
  - In IP Addresses, make sure all required IPs have Active = Yes, Enabled = Yes and IP Address is right (sometimes it is wrong).
  - You have to restart the service "SQL Server (SQLEXPRESS)" or similar.
- **Make sure Mixed mode is activated (Windows + sa/evs authentication) :** If you have SQL Server Management Studio, go to instance properties -> Security -> SQL Server and Windows Authentication mode then restart SQL Server service. From <http://www.mssqltips.com/sqlservertip/1441/correct-the-sql-server-authentication-mode-in-the-windows-registry/> :
- **Make sure "sa" account is activated**

Note : Xsquare, NC, and Authentication installers may do this step for you if they can connect using Windows Authentication.

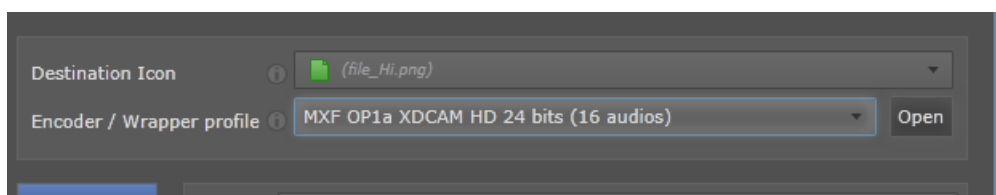
  - Open SQL Server Management Studio, connect SQL instance using Windows Authentication.
  - Open <instance>->Security ->Logins -> sa -> Properties.
  - Set "evs" in password and confirm password.
  - In Status, make sure Permission is "Grant" and Login is "Enabled".
  - After pressing OK, you have to restart SQL Server service.

## NEW FEATURES OF XTACCESS 2.03

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- Support of M11.02 and M12.02. XTAccess 2.3 has been completely validated with Multicam 11.02 and 12.02
- Support of the Multicam swap mix effects
- New encoder profile “MXF OP1a XDCAM HD 24 bits (16 audios)”: this profile allows you to create XDCAM file with 16 audios.



## BUGS FIXED SINCE XTACCESS 2.02

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- #XTA-710 : Failed to convert ProRes to Mpeg1
- #XTA-639 : Special characters not supported anymore in TapeID
- #XTA-517: Backup clip to wav -> XT\_Nb\_Videos = 1 instead of 0
- #XTA-590: PLR with train elements failing

## GENERAL XTACCESS LIMITATIONS

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### OPERATING SYSTEM

- It is necessary to set the UAC to the lower level to use XTAccess on Windows 7
- We requirement to deactivate the "Areo" mode on windows 7 and Server 2008
- XTAccess is not compatible with Windows Server 2003 64 bits

### NLE SETTINGS

- General :
  - Export PL/TL: EVS recommends opening the FCP EDL (XML) or Avid EDL (AAF) only when all the child backups are done. Otherwise the NLE (Apple FCP or Avid Media Composer) will not update the growing media in their timelines.
  - The EVS metadata present in the EDL exported from a PL/TL are the metadata of the original clip and not the metadata of the backup file which could be different (new Varld, new duration, new In point, etc)
- Adobe NLE :
  - The XMP metadata file doesn't support complex XML structure. So some EVS metadata are not available in the XMP metadata file
- FCP NLE :
  - The delay between the EVS XT server Live and first picture available in FinalCutPro 7 is +- 15 seconds (tests done in DVCPRO HD NTSC and IMX NTSC)
  - XTAccess supports only FCP 7 with the version 5 of the FCP XML.
  - FCP X is not supported.
  - The Matrix of metadata for FCP is only working for the clips metadata, not for the EDL.
- Avid NLE :
  - XTAccess is not anymore compatible with Avid TM version before the version 2.5
  - It is impossible to update a backup of train in Avid XDCAM OPATOM and Avid H264 proxy in these situations (no problem with the others codecs/wrappers) :
    - If the initial duration was < 2h and the update > 2h
    - If the initial duration was >2h and the update > that the initial duration
  - It is impossible to define the filename for the Avid XDCAM OPATOM and Avid H264 proxy files. The filename will be automatically an Avid GUID.
  - XTAccess uses the Avid AMT SDK to write H264 and XDCAM OPATOM files. There are two Avid windows registry keys which can be modified to improve the writing performance. By default XTAccess initializes theses registry keys with these values but it is possible to modify them depends on the topology project.

On windows 64 bits:

HKEY\_LOCAL\_MACHINE\SOFTWARE\Wow6432Node\Avid  
Technology\GenericHelper\MXF\

- "BufferSize"="524288"
- "ReadBufferSize"="16777216"

On windows 32 bits:

HKEY\_LOCAL\_MACHINE\SOFTWARE\Avid Technology\GenericHelper\MXF

- "BufferSize"="524288"
- "ReadBufferSize"="16777216"

Valid values are 512 kB, 1 MB, 2 MB, 4 MB, 8 MB or 16 MB.

- The delay between the EVS XT server Live and first picture available in MediaComposer is +- 20 seconds for the video and +- 30 seconds for the audio (tests done in DVCPRO HD NTSC and IMX NTSC)
- When browsing a growing EWC media, sometimes Media Composer displays "FILE\_OTHER" instead of the video. The file must be refreshed by double clicking on the clip in Media Composer bin.
- Message "PMM\_INSUFFICIENT\_MEDIA" in Media Composer when a media is updated and stretched: the duration is longer than the original one. It is not possible to increase the duration of a media sent to Avid. Note: reducing the duration of the media is OK (see limitation below anyway).
- When updating the duration of the media in Interplay with a shorter duration, the new short out is correctly updated but you need to delete the clip from the Media Composer bin and re-import the media from Interplay in order to place the short out anchor in the right location in the viewer. Limitation of Avid Media Composer
- #35613: It is only possible to use the <General\_Infos> and <Clips\_Infos> XML tags in the Avid Tape.

## TRANSCODING

- XTAccess doesn't support job which starts with a bottom field. In the job the TC In must always be a Top field
- We recommend doing maximum two transcodings in AVC-intra at the same time otherwise memory overflow could append. Please, contact EVS support to limit the Max Transcoding Job
- #23834: it is necessary to configure the target resolution to 720P to do rendering of playlist in progressive mode.
- #35675: IMX 30, IMX 40 and IMX 50 are considered as different codec for XTAccess. So the smartrendering is not working between these IMX Bitrates.

## BACKUP

- Growing clips without out point are not supported by XTAccess.

- If the backup paths are not exactly the same (for example: C:\Video\Toto.mxf is different than \\Xstore60170\Video\Toto.mxf) the XTAccess auto incrementation "(1) (2) (3) etc .." of the filename is not working. We recommend to use %GUID in the file name format string in IPD to be sure that there will never be two times the same file created simultaneously by XTAccess
- #31464: XTAccess doesn't create FCP.XML file in case of backup of 3D clips
- XTAccess doesn't reference OPAAtom files in Avid Interplay in case of backup of 3D clips
- # 37057: %TCINDATE and %TCOUTDATE FileNameFormatString option don't work for the rewrap jobs.

## RENDERING

- We recommend doing a maximum of two renderings of playlist in AVC-Intra 100 at the same time otherwise memory overflow could happen.
- #36164: XTAccess can use a lot of memory to decode QT files due to the QT structure
- #38861: XTAccess will not render the audio of one element SLSM "All Frames" in an EDL
- #39025: The EDL rendering in DNxHD with a no video element as first element is not working

## MAC PRO OS 10.9 (MAVERICKS)

- Issues were reported while transferring media to/from Mac OS X Mavericks (typically, "Encoder DLL Error"). This version of Mac OS X supports the SMB2 file transfer protocol that was introduced by Microsoft in Windows Vista in 2006, and later improved on Windows 7. It was reported that Apple SMB2 support was not fully compliant with the Microsoft implementation and we can reasonably expect Apple patches to solve this situation.
- In the meantime, it's it strongly recommended to disable SMB2 on the client machine, and force using SMB by running the following commands and then restarting Windows:

```
sc.exe config lanmanworkstation depend= bowser/mrxsmb10/lsi
sc.exe config mrxsmb20 start= disabled
```

## MISCELLANEOUS

- Unicode & ASCII extended: Transfer of Unicode metadata to Avid Transfer Manager is not supported.
- In case of backup of trains, <XT\_Creation\_Time> tags are based on XTAccess workstation date and time, not on XT date and time.
- It is not allowed to open, edit or process a file stored in an XTAccess Scan folder. XTAccess will not be able to access the file and could generate errors.



- Backup File Name Format String: XTAccess is not able to handle special characters like the “\ / : \* ? , ; » < > |” in a string.
- Progress current TC in IPD is not available for the Copy XT to XT and with the Avid transfer. The progress bar is available.
- In Hi-Lo mode: you need to use %VCodec or %GUID to do the difference between the two backed up clips and XML
- %K1,%K2, etc take the XT keyword with maximum 12 characters and not the IPD Keyword with 64 characters
- If the backup / rewrap fails because the target becomes unreachable (i.e. network failure), the incomplete a/v file CANNOT be deleted.

## INTERNATIONAL CHARACTER SUPPORT (ICS)

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### EVS METADATA

Xsquare manages all the EVS Metadata sources in UTF-8. The EVS metadata defined in the XML jobs and EVS.XML metadata file must be encoded in UTF8 (this is the case for the EVS client like IPDirector). UTF8 is a variable-width encoding that can represent every character in the Unicode character set (included Chinese, Russian, etc). So all the EVS metadata can be defined in different language apart from the EVS Umid which must be defined in ASCII

These input data are then translated in different encoding format depends on the destination.

Here is a list of the main Xsquare/XTAccess destinations and their supported encoding format

| Destination                         | Encoding format |
|-------------------------------------|-----------------|
| AVID Interplay with the Webservices | UTF-8           |
| Avid AAF                            | UTF-16          |
| FCP XML                             | UTF-8           |
| Adobe XMP                           | UTF-8           |
| EVS.XML and EDL                     | UTF-8           |
|                                     |                 |

- If the destination uses the same encoding format that EVS: there is not translation
- If the destination uses a different encoding format: XTAccess will translate the metadata in the destination format
- The client application which read the destination must be able to display correctly the UTF-8 character
- XTAccess supports only the common simplified Chinese character. The extended Chinese characters could not be supported. Anyway extended Chinese character are not common and used in the computer world

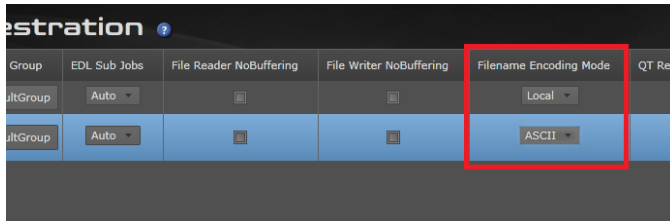
### FILENAME

#### READ

XTAccess can read (as source file in a job or as source file in a scanfolder) all the files which are encoded in the local code page of Windows.

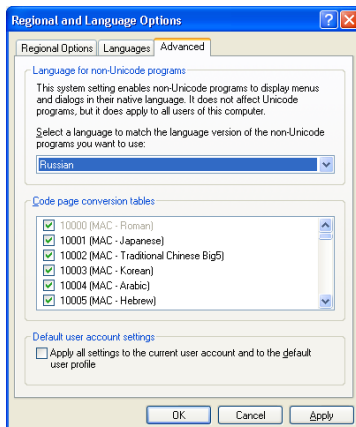
## WRITE

XTAccess can write files with filename in ASCII or in the same language than the local windows codepage. This option is available inside the Xsquare Configuration



### Local Mode (default value)

If you select Local as Filename Encoding Mode: XTAccess will only use the characters available in the local Windows code page.



So the information from the job which is in UTF8 will be translated in the local Windows code Page to build correctly the filename.

### Example

If the media source is called "été" in French and the filenameformatstring is defined as %name: XTAccess will name the file été.mxf only if the Windows Local page is in French.

### Limitations

- Some wrappers can be written only in ASCII like the Avid OPAtom MXF and QT ref format.
- These character are not allowed by Windows and so will be replace by space: `\.*?|"/<>`

- It is necessary to have the same local code page on all the EVS computer

#### Ascii Mode

If you select ASCII as Filename Encoding Mode: XTAccess will only use the 128 characters available in the ASCII format. The ascii format is mainly based on the English Alphabet.

If after processing of the job: the file must contain character which are not present in the ASCII standard: XTAccess will name the file: UNICODE

Example:

If the media source is called "été" and the FileNameFormatString is defined as %name: XTAccess will name the file UNICODE.mxf